

CLAIMS.

1. A portable clamping/displacement worktable system comprising a supporting structure and at least two operatively cooperative worktop sections in which at least one worktop section is displaceable relative to another in which said system means are provided to vary the maximum- potential- footprint of the worktop section operation by varying the length of the top frame support.
2. A worktable system according to claim 1, in which means are provided for a worktop section to fit and operate both on a shorter and extended top frame support.
3. A worktable system according to either of claims 1 or 2 in which means are provided to extend the functioning of a mechanism situated on a shorter top frame footprint to an extended top frame footprint.
4. A worktable system according to any preceding claim in which means are provided whereby the distance between two directly- linked, cooperatively-articulating axis points on a folding leg support structure may be varied.
5. A worktable system according to any of the preceding claims in which the said direct link between two cooperatively-articulating axis points may be released or refitted with quick-fit/quick release means
6. A worktable system according to any of the preceding claims in which quick adjustment means are provided to vary the length of any said direct link between two cooperatively- articulating axis points.
7. A worktable system according to any of the preceding claims in which the operational-angle and /or distance between the leg supports may be adjusted to provide an extended top frame support
8. A worktable system according to any of the preceding claims in which an extended top frame support is provided by positioning the far-end leg support in folded or closed position in a line parallel to the top frame while simultaneously positioning the control-end leg support in an open, relatively vertical plane.
9. A worktable system according to any of the preceding claims in which at least one ground-angle-working-plane is provided for the worktop sections by changing the operational angle and /or distance between the leg supports
10. A worktable system according to any of the preceding claims in which at least one ground-angle-working-plane is provided for the worktop sections by the leg support alignment described in claim 8 wherein the foot of the far-end leg support rests on the ground, the far-end support in this configuration serving as both leg support and top frame extension.
11. A worktable system according to any of the preceding claims in which an extended maximum-operational-footprint for the worktop sections is provided in a horizontal operational plane by the leg support alignment described in claim 8 wherein the foot end of the far- end leg is supported by an extension leg support, the far- end leg support in this configuration positioned in a horizontal operational plane and serving in this mode only as top frame extension.

- 1 **12.** A worktable system according to any of the preceeding claims in which
2 means are provided to link the leg supports in certain operational configurations
3 and un-link them in other operational configurations.
- 4 **13.** A worktable system according to any of the preceeding claims in which
5 means are provided to lock the control-end leg support at one or more
6 operating- angle settings to the top frame, this locked position functioning
7 independently of any linkage with the far-end leg support.
- 8 **14.** A worktable system according to any of the preceeding claims in which
9 means are provided for the far- end leg support to be positioned in a line
10 parallel to the top frame, this positioning functioning independently of any linkage
11 with the control-end legs.
- 12 **15.** A worktable system according to any of the preceeding claims providing a
13 top frame aligner element which, positioned on the top frame extension
14 support, extends the necessary positional line and form requirements of the
15 original top frame support such that a worktop section functioning on the original
16 maximum-operational- footprint for the worktop sections may equally fit and
17 operate on the extended maximum-operational-footprint.
- 18 **16.** A worktable system according to any of the preceeding claims in which there
19 is provided a top frame aligner along which a worktop section mount and/or
20 worktop section may be selectively positioned and fixed.
- 21 **17.** A worktable system according to any of the preceeding claims in which
22 there is provided a top frame aligner which is displaceable along the top frame
23 extension support and which is linked to the clamping/displacement means on
24 the shorter maximum-operational-footprint such that activation of the said means
25 produces the same clamping/displacement results on the extended maximum-
26 operational-footprint as on the shorter.
- 27 **18.** A worktable system according to any of the preceeding claims in which the
28 clamping/displacement means activates a primary clamping/displacement
29 vehicle along which a secondary clamping/displacement vehicle may be
30 selectively positioned and fixed, the secondary vehicle being employed to
31 displace any attached tool or worktop section over a larger distance along the
32 length of the primary vehicle and any extension linked to the said primary vehicle
33 to a selected fixing point on the said primary vehicle or linked extension, the
34 primary vehicle being employed to tighten and/or displacementally adjust the
35 secondary vehicle with any attached tool or worktop section over the remaining
36 smaller distance.
- 37 **19.** A worktable system in which the clamping/displacement means activates a
38 primary clamping/displacement vehicle along which a secondary
39 clamping/displacement vehicle may be selectively positioned and fixed, the
40 said secondary vehicle being employed to displace any attached tool or
41 worktop section over a larger distance along the length of the primary vehicle
42 and any extension linked to the said primary vehicle to a selected fixing point on
43 the said primary vehicle or extension, the primary vehicle being employed to

- 1 tighten and/or displacementally adjust the secondary vehicle together with any
2 attached tool or worktop section over the remaining smaller distance.
- 3 **20.** A worktable system according to any of the preceding claims in which the
4 secondary clamping/displacement vehicle is provided with an override
5 mechanism permitting it to be instantaneously disengaged , repositioned and
6 instantaneously re-engaged with any fixing point on the primary
7 clamping/displacement vehicle or any linked extension of the said primary
8 vehicle.
- 9 **21.** A worktable system according to any of the preceding claims in which the
10 secondary clamping/displacement vehicle is provided with a retention plate
11 which permits it to be slideably displaced along the length of the primary
12 clamping/displacement vehicle or linked extension but does not permit it to be
13 detached in any other angle plane;
- 14 **22.** A worktable system according to any of the preceeding claims in which there
15 are provided attachment points and a linking element on and between the
16 primary clamping/displacement vehicle and the top frame aligner.
- 17 **23.** A worktable system according to any of the above claims in which means
18 are provided to extend the length of the top frame support structure displacing
19 the axis or fixing point of the far-end leg support away from the control-end leg
20 support.